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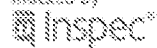
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1 Verified implementations of the information card federated identity-m
Karthikeyan Bhargavan, Cédric Fournet, Andrew D. Gordon, Nikhil Swamy
March 2008　**ASIACCS '08:** Proceedings of the 2008 ACM symposium on Inf
　　　　　communications security
Publisher: ACM
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We describe reference implementations for selected configurations of the
defined by the *Information Card Profile V1.0.* Our code can interoperate
of the roles of the protocol (client, identity ...

Keywords: CardSpace, cryptographic protocol verification, federated ide
implementations, web services security

2 Secure sessions for Web services
Karthikeyan Bhargavan, Ricardo Corin, Cédric Fournet, Andrew D. Gordon
May 2007　**Transactions on Information and System Security (TISSE**
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We address the problem of securing sequences of SOAP messages excha
their clients. The WS-Security standard defines basic mechanisms to sec
at a time. For typical web services, however, using ...

Keywords: Web services, XML security

3 Communications of the ACM: Volume 52 Issue 4
April 2009　Communications of the ACM
Publisher: ACM
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Bibliometrics: Downloads (6 Weeks): 5351,　Downloads (12 Months): 5351,　Cit

4 Security and identification indicators for browsers against spoofing a
Amir Herzberg, Ahmad Jbara

September 2008 **Transactions on Internet Technology (TOIT)** , Volume 8
Publisher: ACM
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In spite of the use of standard Web security measures (SSL/TLS), users
as passwords into fake Web sites. Such fake sites cause substantial dam
corporations. In this work, we identify several vulnerabilities ...

Keywords: Human-computer interaction, Web spoofing, phishing, secur

5 Palantir: a framework for collaborative incident response and investig
Himanshu Khurana, Jim Basney, Mehedi Bakht, Mike Freemon, Von Welch,
April 2009　**IDtrust '09:** Proceedings of the 8th Symposium on Identity an
Publisher: ACM
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Organizations owning cyber-infrastructure assets face large scale distribu
In the face of increasing complexity and frequency of such attacks, we a
on organizational incident response ...

Keywords: digital investigation, incident response, multi-site collaborati

6 Proceedings of the 44th annual conference on Design automation
Steven P. Levitan
June 2007　**DAC '07:** Proceedings of the 44th annual conference on Design
Publisher: ACM
Additional Information: full citation, abstract

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Welcome to San Diego and the 44th Design Automation Conference! San
DAC, with its proximity to many high-tech companies, its beautiful locati
wide variety of activities and sights. For those ...

7 A semantics for web services authentication
Karthikeyan Bhargavan, Cédric Fournet, Andrew D. Gordon
January 2004 **POPL '04:** Proceedings of the 31st ACM SIGPLAN-SIGACT syr
　　　　　　　programming languages
Publisher: ACM
Full text available: Pdf (234.06 KB)　　　　　Additional Information: full citation, abstract, r

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We consider the problem of specifying and verifying cryptographic securi
services. The security specification WS-Security describes a range of XMl
username tokens, public-key certificates, and digital ...

Keywords: XML security, applied pi calculus, web services

Also published in:
January 2004 **SIGPLAN Notices** Volume 39 Issue 1

8 Report on the "secure vehicular communications: results and challen
Panagiotis Papadimitratos, Jean-Pierre Hubaux
April 2008 **SIGMOBILE Mobile Computing and Communications Revie**
Publisher: ACM
Full text available: Pdf (566.80 KB)   Additional Information: full citation, references, in

Bibliometrics: Downloads (6 Weeks): 47,   Downloads (12 Months): 234,   Citatio

9 Organizing and sharing distributed personal web-service data
Roxana Geambasu, Cherie Cheung, Alexander Moshchuk, Steven D. Gribble
April 2008   **WWW '08:** Proceeding of the 17th international conference on
Publisher: ACM
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The migration from desktop applications to Web-based services is scatte
myriad of Web sites, such as Google, Flickr, YouTube, and Amazon S3. T
challenges for users, making it more difficult for them to: ...

Keywords: data organization, data sharing, menagerie, web services

10 ACM SIGPLAN Notices: Volume 40 Issue 3
March 2005 SIGPLAN Notices
Publisher: ACM
Additional Information: full citation, index terms

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11 Anonymous E-prescriptions
Giuseppe Ateniese, Breno de Medeiros
November 2002 **WPES '02:** Proceedings of the 2002 ACM workshop on Priva
Publisher: ACM
Full text available: Pdf (304.10 KB)   Additional Information: full citation, abstract, n

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This paper studies issues related to privacy protection of medical data, a
for applied cryptographic research.We present the problem of medicine p
a practical system that employs standard ...

Keywords: medical information privacy, privacy-preserving cryptograph
cryptography

12 Homeviews: peer-to-peer middleware for personal data sharing appli
Roxana Geambasu, Magdalena Balazinska, Steven D. Gribble, Henry M. Lev
June 2007   **SIGMOD '07:** Proceedings of the 2007 ACM SIGMOD internatic
of data
Publisher: ACM

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This paper presents HomeViews, a peer-to-peer middleware system for t
management applications. HomeViews provides abstractions and service
distributed data sharing. The key innovation in HomeViews is the ...

Keywords: access control, capabilities, peer-to-peer, personal informati

13 Securing user inputs for the web
Jan Camenisch, abhi shelat, Dieter Sommer, Roger Zimmermann
November 2006 **DIM '06:** Proceedings of the second ACM workshop on Digit
Publisher: ACM
Full text available: Pdf (655.02 KB)   Additional Information: full citation, abstract, r

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The goal of this paper is to study *secure and usable* methods for providir
Three principles define security for us: certification, awareness, and priv;
usability: contextual awareness, semantic ...

Keywords: user interface designs

14 The interrelationship and effect of culture and risk communication in :
security goals
Ioannis V. Koskosas, Ray J. Paul
March 2004 **ICEC '04:** Proceedings of the 6th international conference on E
Publisher: ACM
Full text available: Pdf (291.91 KB)   Additional Information: full citation, abstract, r

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The aim of this research is to investigate information systems security in
banking. In doing so, it adopts a socio-organizational approach to the su
the interrelationship between culture and risk communication ...

Keywords: culture, information management, internet banking, risk cor

15 Benchmarking XML processors for applications in grid web services
Michael R. Head, Madhusudhan Govindaraju, Robert van Engelen, Wei Zhai
November 2006 **SC '06:** Proceedings of the 2006 ACM/IEEE conference on S
Publisher: ACM
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Web services based specifications have emerged as the underlying archit
and standards, such as WSRF. XML is inextricably inter-twined with Web
and as a result the design and implementation of ...

Keywords: XML, benchmarking, multi-core

16 CPG: closed pseudonymous groups
Reed S. Abbott, Timothy W. van der Horst, Kent E. Seamons
October 2008 **WPES '08:** Proceedings of the 7th ACM workshop on Privacy i
Publisher: ACM
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This paper presents the design and implementation of Closed Pseudonym
pseudonymous communication system for a closed user community (e.g
employees, residents of a neighborhood). In CPG, each legitimate ...

Keywords: anonymity, anonymous feedback, privacy, usability

17 Layered identity infrastructure model for identity meta systems
Suriadi Suriadi, Ernest Foo, Rong Du
January 2008 **AISC '08: Proceedings of the sixth Australasian confere**
                - Volume 81 , Volume 81
Publisher: Australian Computer Society, Inc.
Full text available: Pdf (222.22 KB)   Additional Information: full citation, abstract, r

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There are several Identity Meta Systems emerging in the identity manag
and Higgins Trust Framework. The goal of an Identity Meta System (IMe
new Identity Management System (IMS) to provide ...

Keywords: CardSpace, Higgins, OpenID, identity management, identity

18 Personal knowledge questions for fallback authentication: security qu
Facebook
Ariel Rabkin
July 2008   **SOUPS '08:** Proceedings of the 4th symposium on Usable priva
Publisher: ACM
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Security questions (or challenge questions) are commonly used to authe
their passwords. We examined the password retrieval mechanisms for a
websites, and found that many of them rely in part on security ...

Keywords: authentication, questions, security

19 Assessing privacy criteria for drm using eu privacy legislation
Anja Becker, Alapan Arnab, Mercè Serra
October 2008 **DRM '08:** Proceedings of the 8th ACM workshop on Digital rig
Publisher: ACM

Full text available: Pdf (278.18 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 84, Citation

The main aim of this paper is to examine privacy protection legislations v
and their implications for the deployment of Digital Rights Management (
we note that there are two EU legislations ...

Keywords: oma drm, privacy legislation, privacy seals

20 Secure web service federation management using tpm virtualisation
Srijith Krishnan Nair, Ivan Djordjevic, Bruno Crispo, Theo Dimitrakos
November 2007 **SWS '07:** Proceedings of the 2007 ACM workshop on Secur
Publisher: ACM

Full text available: Pdf (382.31 KB)   Additional Information: full citation, abstract, r

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Web Services and SOA provide interoperability and architectural baseline
enterprise collaborations, where execution and use of the participating s
common objective. Relationships within these collaborations ...

Keywords: federation, membership management, security, trusted com

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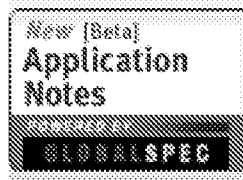Search Results   BROWSE   SEARCH   IEEE XPLORE GUIDE

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   Sanchez-Reillo, R.; Vazquez-Navarro, A.; Liu-Jimenez, J.;
   Security Technology, 2005. CCST '05. 39th Annual 2005 International Carnahan Conference on
   11-14 Oct. 2005 Page(s):319 - 324
   Digital Object Identifier 10.1109/CCST.2005.1594848

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   Davis, R.;
   Computer Security Applications Conference, 1989., Fifth Annual
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   Hulsebosch, R.J.; Ebben, P.W.G.;
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   Haidong Xia; Brustoloni, J.;
   Local Computer Networks, 2004. 29th Annual IEEE International Conference on
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7. **Secure AAA by Means of Identity Tokens in Next Generation Mobile Environments**
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8. **Content authentication in enterprises for mobile devices**
Kappes, M.; Krishnan, P.;
Advances in Wired and Wireless Communication, 2004 IEEE/Sarnoff Symposium on
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11. **An XML-based single sign-on scheme supporting mobile and home network service enviro**
Jongil Jeong; Dongkyoo Shin; Dongil Shin;
Consumer Electronics, IEEE Transactions on
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12. **Secure Communication and Access Control for Web Services Container**
Yu Peng; Quanyuan Wu;
Grid and Cooperative Computing, 2006. GCC 2006. Fifth International Conference
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13. **Distributed Multi level Security token based Authentication for Ubiquitous Objects¿DMSA**
Kulkarni, U.P.; Vadavi, J.V.; Joshi, S.M.; Sekaran, K Chandra; Yardi, A.R.;
Ad Hoc and Ubiquitous Computing, 2006. ISAUHC '06. International Symposium on
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Alsulaiman, F. A.; El Saddik, A.;
Instrumentation and Measurement, IEEE Transactions on
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15. **User Authentication Mechanism Using Java Card for Personalized IPTV Services**
Park, Youn-Kyoung; Lim, Sun-Hee; Yi, Okyeon; Lee, Sangjin; Kim, Soo-Hyung;
Convergence and Hybrid Information Technology, 2008. ICHIT '08. International Conference on
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17. **Inter-domain Authentication for Seamless Roaming in Heterogeneous Wireless Networks**
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Sensor Networks, Ubiquitous and Trustworthy Computing, 2008. SUTC '08. IEEE International Co
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Digital Object Identifier 10.1109/SUTC.2008.61

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18. **Using Personal Electronic Device for Authentication-Based Service Access**
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19. **RandomSampling over Streaming Window Joins**
Li Chen; Jun Liu; Huibin Wang;
Data, Privacy, and E-Commerce, 2007. ISDPE 2007. The First International Symposium on
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20. **SecurID Authenticator: On the Hardware Implementation Efficiency**
Sklavos, Nicolas; Efstathiou, Costas;

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Digital Object Identifier 10.1109/ICECS.2007.4511060

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21. **Efficient Identity Authentication Protocol and Its Formal Analysis**
Li Chen; Guixiang Zhang; Xiangdong Li;
Computational Intelligence and Security Workshops, 2007. CISW 2007. International Conference
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Digital Object Identifier 10.1109/PRDC.2005.54

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☐ 2. **Enhanced authentication services for Internet systems using mobile networks**
Looi, M.;
Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE
Volume 6, 25-29 Nov. 2001 Page(s):3468 - 3472 vol.6
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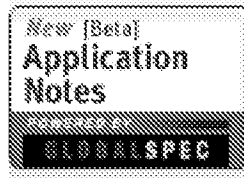
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John Viega
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1 Doodling our way to better authentication   Ad
Joseph Goldberg, Jennifer Hagman, Vibha Sazawal
April 2002 **CHI '02:** CHI '02 extended abstracts on Human factors in computing systems   S
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> Password security often fails in practice because users select predictable passwords. We   p
> conducted a study to explore the use of hand-drawn doodle password ("passdoodle"). Our   w
> findings show that users could recall all visual elements of the doodle as ...

Keywords: authentication, passdoodles, passwords, user study   C
                                                                                               P
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2 Zero-interaction authentication   P
Mark D. Corner, Brian D. Noble   B
September 2002 **MobiCom '02:** Proceedings of the 8th annual international conference on   W
                              Mobile computing and networking   w
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Full text available: 📄 Pdf (273.30 KB)   Additional Information: full citation, abstract, references, cited by, index
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> Laptops are vulnerable to theft, greatly increasing the likelihood of exposing sensitive files.   T
> Unfortunately, storing data in a cryptographic file system does not fully address this   O
> problem. Such systems ask the user to imbue them with long-term authority ...   G

Keywords: cryptographic file systems, mobile computing, stackable file systems, transient
authentication

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3 Identity Authentication Based on Keystroke Latencies Using Neural Networks   F
Angela Lammers, Sharon Langenfeld   F
April 1991 **Journal of Computing Sciences in Colleges,** Volume 6 Issue 5   D
Publisher: Consortium for Computing Sciences in Colleges   G
Full text available: 📄 Pdf (21.55 KB)   Additional Information: full citation, references   w

4   Analysis of navigation behaviour in web sites integrating multiple information systems
Bettina Berendt, Myra Spiliopoulou
March 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**,
Volume 9 Issue 1
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (281.14 KB)   Additional Information: full citation, abstract, references, cited by, index terms

The analysis of web usage has mostly focused on sites composed of conventional static pages. However, huge amounts of information available in the web come from databases or other data collections and are presented to the users in the form of dynamically ...

Keywords: Conceptual hierarchies, Data mining, Query capabilities, Web databases, Web query interfaces, Web usage mining

5   Digital audio watermarking based-on multiple-bit hopping and human auditory system
Changsheng Xu, Yongwei Zhu, David Dagan Feng
October 2001 **MULTIMEDIA '01:** Proceedings of the ninth ACM international conference on Multimedia
Publisher: ACM

Full text available: Pdf (613.16 KB)   Additional Information: full citation, abstract, references, cited by, index terms

A novel content-adaptive audio watermarking technique is proposed. To optimally balance in-audibility and robustness when embedding and extracting watermarks, the embedding scheme is high related to audio content by making use of the properties of human ...

Keywords: audio, digital watermarking, human auditory system

6   On secure and pseudonymous client-relationships with multiple servers
Eran Gabber, Phillip B. Gibbons, David M. Kristol, Yossi Matias, Alain Mayer
November 1999 **ACM Transactions on Information and System Security (TISSEC)**,
Volume 2 Issue 4
Publisher: ACM

Full text available: Pdf (161.56 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

This paper introduces a cryptographic engine, Janus, which assists clients in establishing and maintaining secure and pseudonymous relationships with multiple servers. The setting is such that clients reside on a particular subnet (e.g., corporate intranet, ...

Keywords: Janus function, anonymity, mailbox, persistent relationship, privacy, pseudonym

7   Authentication metric analysis and design
Michael K. Reiter, Stuart G. Stubblebine

May 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 2
Publisher: ACM

Full text available: Pdf (154.45 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

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Authentication using a path of trusted intermediaries, each able to authenicate the next in the path, is a well-known technique for authenicating entities in a large-scale system. Recent work has extended this technique to include multiple paths in an ...

Keywords: metrics of authentication, public key infrastructure

8 The BiBa one-time signature and broadcast authentication protocol
Adrian Perrig
November 2001 **CCS '01:** Proceedings of the 8th ACM conference on Computer and Communications Security
Publisher: ACM

Full text available: Pdf (268.66 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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We introduce the *BiBa signature* scheme, a new signature construction that uses one-way functions without trapdoors. BiBa features a low verification overhead and a relatively small signature size. In comparison to other one-way function based ...

Keywords: broadcast authentication, one-time signature, signature based on a one-way function without trapdoor, source authentication for multicast

9 DoS and authentication in wireless public access networks
Daniel B. Faria, David R. Cheriton
September 2002 **WiSE '02:** Proceedings of the 1st ACM workshop on Wireless security
Publisher: ACM

Full text available: Pdf (272.24 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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As WEP has been shown to be vulnerable to multiple attacks, a huge effort has been placed on specifying an access control mechanism to be used in wireless installations. However, properties of the wireless environment have been exploited to perform multiple ...

Keywords: DoS, security, wireless networks

10 A methodology for analyzing the performance of authentication protocols
Alan Harbitter, Daniel A. Menascé
November 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 4
Publisher: ACM

Full text available: Pdf (1.25 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 271, Citation Count: 0

Performance, in terms of user response time and the consumption of processing and communications resources, is an important factor to be considered when designing authentication protocols. The mix of public key and secret key encryption algorithms

typically ...

Keywords: Authentication, Kerberos, mobile computing, performance modeling, proxy servers, public key cryptography

11 The Java factor

Sandeep Singhal, Binh Nguyen
June 1998 **Communications of the ACM**,   Volume 41 Issue 6
Publisher: ACM
Full text available: Pdf (198.00 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 53,   Citation Count: 5

12 Anonymity and accountability in self-organizing electronic communities

Csilla Farkas, Gábor Ziegler, Attila Meretei, András Lörincz
November 2002 **WPES '02:** Proceedings of the 2002 ACM workshop on Privacy in the
             Electronic Society
Publisher: ACM
Full text available: Pdf (355.99 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 112,   Citation Count: 2

In this paper we study the problem of anonymity versus accountability in electronic communities. We argue that full anonymity may present a security risk that is unacceptable in certain applications; therefore, anonymity and accountability are both needed. ...

Keywords: accountability, anonymity, authentication, privacy, self-organizing community

13 Authenticating distributed data using Web services and XML signatures

Daniel J. Polivy, Roberto Tamassia
November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security
Publisher: ACM
Full text available: Pdf (164.09 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 114,   Citation Count: 2

As the need for digital data becomes more ubiquitous, so does the need to provide efficient mechanisms for distributing and verifying the authenticity of that data. We present an architecture for authenticating responses to queries from untrusted mirrors ...

Keywords: Web services, XML, authentication, digital signatures

14 System architecture for billing of multi-player games in a wireless environment using GSM/UMTS and WLAN services

Frank Fitzek, Gerrit Schulte, Martin Reisslein
April 2002 **NetGames '02:** Proceedings of the 1st workshop on Network and system support
             for games
Publisher: ACM
Full text available: Pdf (147.81 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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Games played by multiple users, each using a wireless terminal (e.g., PDA), have tremendous revenue potential for next generation wireless systems. However, the next generation of wireless systems (such as UMTS and other 3G systems) alone will not be ...

Keywords: HOTSPOT, UMTS, WLAN, ad-hoc, authentication, billing, business case, gaming, multi-player games

15 Wireless internet access using IS-2000 third generation system: a performance and capacity study
Zbigniew Dziong, Farooq Khan, Kamesh Medepalli, Sanjiv Nanda
July 2002 **Wireless Networks**, Volume 8 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: Pdf (534.70 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 62,   Citation Count: 1

The Internet has been growing tremendously in the recent years and applications like web browsing are becoming increasingly popular. In a collective effort to provide seamless access to the Internet, wireless equipment manufacturers and service providers ...

Keywords: ARQ, HTTP, RLP, TCP, capacity, mobility, multiple users, wireless internet

16 Wave and equation based rate control using multicast round trip time
Michael Luby, Vivek K. Goyal, Simon Skaria, Gavin B. Horn
August 2002 **SIGCOMM '02:** Proceedings of the 2002 conference on Applications, technologies, architectures, and protocols for computer communications
Publisher: ACM
Full text available: Pdf (2.72 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 39,   Citation Count: 11

This paper introduces Wave and Equation Based Rate Control (WEBRC), the first multiple rate multicast congestion control protocol to be equation based. The equation-based approach enforces fairness to TCP with the benefit that fluctuations in the flow ...

Keywords: TCP-friendliness, congestion control, multicast, multiple-rate

17 Wave and equation based rate control using multicast round trip time
Michael Luby, Vivek K. Goyal, Simon Skaria, Gavin B. Horn
October 2002 **ACM SIGCOMM Computer Communication Review**, Volume 32 Issue 4
Publisher: ACM
Full text available: Pdf (2.72 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 39,   Citation Count: 11

This paper introduces Wave and Equation Based Rate Control (WEBRC), the first multiple rate multicast congestion control protocol to be equation based. The equation-based approach enforces fairness to TCP with the benefit that fluctuations in the flow ...

Keywords: TCP-friendliness, congestion control, multicast, multiple-rate

18 Developing a flexible online learning management system to facilitate various aspects of instructor-led training and lab administration

Kathy Pribbenow, John Nguyen

November 2002 **SIGUCCS '02:** Proceedings of the 30th annual ACM SIGUCCS conference on User services

Publisher: ACM

Full text available: Pdf (156.24 KB)　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 55, Citation Count: 0

For many years, Academic Computing Services (ACS) at The University of Kansas (KU) has offered computer workshops to faculty, staff, students, and the general Lawrence, KS community. ACS required registration for most workshop offerings. In addition, ...

Keywords: LMS, Oracle, PHP, authentication, automated, database, email, instructor, lab, learning management system, online, registration, reservation, roster, training, workshop

19 SPINS: security protocols for sensor networks

Adrian Perrig, Robert Szewczyk, J. D. Tygar, Victor Wen, David E. Culler

September 2002 **Wireless Networks**, Volume 8 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: Pdf (213.37 KB)　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 255, Citation Count: 59

Wireless sensor networks will be widely deployed in the near future. While much research has focused on making these networks feasible and useful, security has received little attention. We present a suite of security protocols optimized for sensor networks: ...

Keywords: MANET, authentication of wireless communication, cryptography, mobile ad hoc networks, secrecy and confidentiality, secure communication protocols, sensor networks

20 A new approach to DNS security (DNSSEC)

Giuseppe Ateniese, Stefan Mangard

November 2001 **CCS '01:** Proceedings of the 8th ACM conference on Computer and Communications Security

Publisher: ACM

Full text available: Pdf (600.56 KB)　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 141, Citation Count: 1

The Domain Name System (DNS) is a distributed database that allows convenient storing and retrieving of resource records. DNS has been extended to provide security services (DNSSEC) mainly through public-key cryptography. We propose a new approach to ...

Keywords: authentication protocols, digital signatures, domain name system security (DNSSEC), symmetric encryption

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Published before December 2002
Terms used: **multiple factor authentication**

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21　Emerging mobile and wireless networks
❖　Upkar Varshney, Ron Vetter
　June 2000　**Communications of the ACM**,　Volume 43 Issue 6
　Publisher: ACM

　Full text available: ☑ Html (36.15 KB),　☐ Pdf (609.43 KB)　Additional Information: full citation, references, cited by, inde
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　terms, review

　Bibliometrics: Downloads (6 Weeks): 29,　Downloads (12 Months): 469,　Citation Count: 37

22　Towards a taxonomy of software connectors
❖　Nikunj R. Mehta, Nenad Medvidovic, Sandeep Phadke
　June 2000　**ICSE '00:** Proceedings of the 22nd international conference on Software engineering
　Publisher: ACM
　Full text available: ☐ Pdf (184.27 KB)　　Additional Information: full citation, abstract, references, cited by, index term

　Bibliometrics: Downloads (6 Weeks): 14,　Downloads (12 Months): 125,　Citation Count: 48

　　Software systems of today are frequently composed from prefabricated, heterogeneous componɛ
　　that provide complex functionality and engage in complex interactions. Existing research on
　　component-based development has mostly focused on component structure, ...

　　Keywords: classification, software architecture, software connector, taxonomy

23　O—IMAP in 90 days or how to migrate 25,000 users to IMAP in three months
❖　Jay Graham
　October 2000　**SIGUCCS '00:** Proceedings of the 28th annual ACM SIGUCCS conference on User serᵥ
　　　　　　　Building the future
　Publisher: ACM
　Full text available: ☐ Pdf (123.22 KB)　　Additional Information: full citation, index terms

　Bibliometrics: Downloads (6 Weeks): 2,　Downloads (12 Months): 13,　Citation Count: 0

　　Keywords: IMAP, POP, client-server, e-mail, legacy

24

The importance of translucence in mobile computing systems
Maria R. Ebling, Bonnie E. John, M. Satyanarayanan
March 2002 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 9 Issue 1
Publisher: ACM
Full text available: Pdf (330.59 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 129,   Citation Count: 3

Mobile computing has been an active area of research for the past decade, but its importance wi
increase substantially in the decade to come. One problem faced by designers of mobile systems
that of maintaining the illusion of connectivity even ...

Keywords: Coda, disconnected operation, mobile computing, translucent cache management, w
connected operation

25 Practical network support for IP traceback
Stefan Savage, David Wetherall, Anna Karlin, Tom Anderson
October 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 4
Publisher: ACM
Full text available: Pdf (167.15 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 27,   Downloads (12 Months): 238,   Citation Count: 120

This paper describes a technique for tracing anonymous packet flooding attacks in the Internet b
towards their source. This work is motivated by the increased frequency and sophistication of de
of-service attacks and by the difficulty in tracing ...

26 An unknown key-share attack on the MQV key agreement protocol
Burton S. Kaliski, Jr.
August 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue
Publisher: ACM
Full text available: Pdf (119.07 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 106,   Citation Count: 4

The MQV key agreement protocol, a technique included in recent standards, is shown in its basic
to be vulnerable to an unknown key-share attack. Although the attack's practical impact on secu
minimal---a key confirmation step easily prevents ...

Keywords: Key agreement, MQV, protocol design, unknown key-share attack

27 A cost-efficient signaling protocol for mobility application part (MAP) in IMT-2000 systems
Wenye Wang, Ian F. Akyildiz
July 2001   **MobiCom '01:** Proceedings of the 7th annual international conference on Mobile compu
             and networking
Publisher: ACM
Full text available: Pdf (239.98 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 44,   Citation Count: 1

An efficient signaling protocol for mobility application part (MAP) is essential to mobility support
mobile terminals roam between different networks in next generation wireless systems such as I
2000. In this paper, a new signaling protocol is ...

28 ATF Jubilee Edition
Reuven M. Lerner
November 2000 **Linux Journal**,   Volume 2000 Issue 80es
Publisher: Specialized Systems Consultants, Inc.
Full text available: Html (23.31 KB)   Additional Information: full citation, references, index terms

  Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 6,   Citation Count: 0

29 Effective iterative techniques for fingerprinting design IP
Andrew E. Caldwell, Hyun-Jin Choi, Andrew B. Kahng, Stefanus Mantik, Miodrag Potkonjak, Gang Q
Jennifer L. Wong
June 1999   **DAC '99:** Proceedings of the 36th ACM/IEEE conference on Design automation
Publisher: ACM
Full text available: Pdf (119.15 KB)   Additional Information: full citation, references, cited by, index terms

  Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 23,   Citation Count: 6

30 Implementing physical hyperlinks using ubiquitous identifier resolution
Tim Kindberg
May 2002   **WWW '02:** Proceedings of the 11th international conference on World Wide Web
Publisher: ACM
Full text available: Pdf (400.83 KB)   Additional Information: full citation, abstract, references, cited by, index term

  Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 67,   Citation Count: 10

    Identifier resolution is presented as a way to link the physical world with virtual Web resources.
    paradigm, designed to support nomadic users, the user employs a handheld, wirelessly connecte
    sensor-equipped device to read identifiers associated ...

    Keywords: identifier resolution, mobile computing, nomadic computing, physical hyperlinks,
    ubiquitous computing

31 Principled design of the modern Web architecture
Roy T. Fielding, Richard N. Taylor
May 2002   **ACM Transactions on Internet Technology (TOIT)**,   Volume 2 Issue 2
Publisher: ACM
Full text available: Pdf (335.47 KB)   Additional Information: full citation, abstract, references, cited by, index term

  Bibliometrics: Downloads (6 Weeks): 58,   Downloads (12 Months): 640,   Citation Count: 15

    The World Wide Web has succeeded in large part because its software architecture has been des
    to meet the needs of an Internet-scale distributed hypermedia application. The modern Web
    architecture emphasizes scalability of component interactions, ...

    Keywords: Network-based applications, REST, World Wide Web

32 Implementation of a diagnostic and troubleshooting multi-agent system for cellular network
Mahamat Guiagoussou, Said Soulhi
August 1999 **International Journal of Network Management**,   Volume 9 Issue 4

Publisher: John Wiley & Sons, Inc.
Full text available: Pdf (570.61 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 46,   Citation Count: 0

This article presents the implementation of a maintenance application for cellular switching syste
using the multi-agent paradigm. The main philosophy behind the design of the multi-agent syste
based on the TMN framework, where each agent can mapped ...

33 Automating access to computing services
Morris Weinstock-Blair
November 2002 **SIGUCCS '02:** Proceedings of the 30th annual ACM SIGUCCS conference on User
services
Publisher: ACM
Full text available: Pdf (140.87 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 8,   Citation Count: 0

When computer services were more limited in scope and users, providing those services could be
handled manually by a minimum of staff. Over the years computer access has gone from a few
researchers using a mainframe to nearly the entire University community ...

Keywords: accounts, automation, computer services, database, redesign, relational

34 Performance and interoperability issues in incorporating cluster management systems with
wide-area network-computing environment
Sumalatha Adabala, Nirav H. Kapadia, José A. B. Fortes
November 2000 **Supercomputing '00:** Proceedings of the 2000 ACM/IEEE conference on
Supercomputing (CDROM)
Publisher: IEEE Computer Society
Full text available: Publisher Site , Pdf (3.04 MB) Additional Information: full citation, abstract, references, cited by
terms

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 60,   Citation Count: 2

This paper describes the performance and interoperability issues that arise in the process of
integrating cluster management systems into a wide-area network-computing environment, and
provides solutions in the context of the Purdue University Network ...

35 Report of the national workshop on internet voting: issues and research agenda
C. D. Mote, Jr.
May 2002   **dg.o '02:** Proceedings of the 2002 annual national conference on Digital government
research
Publisher: Digital Government Research Center
Full text available: Pdf (539.99 KB)   Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 143,   Citation Count: 0

36 Designing a distributed access control processor for network services on the Web
Reiner Kraft
November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security

Publisher: ACM

Full text available: Pdf (301.14 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 213, Citation Count: 4

The service oriented architecture (SOA) is gaining more momentum with the advent of network services on the Web. A programmable and machine accessible Web is the vision of many, and mi represent a step towards the semantic Web. However, security is ...

Keywords: Web services, XML, access control, security

37 Vinci: a service-oriented architecture for rapid development of web applications

Rakesh Agrawal, Roberto J. Bayardo, Jr., Daniel Gruhl, Spiros Papadimitriou
April 2001 **WWW '01:** Proceedings of the 10th international conference on World Wide Web
Publisher: ACM

Full text available: Pdf (472.82 KB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 107, Citation Count: 9

38 Towards the digital government of the 21st century

Herbert Schorr, Salvatore J. Stolfo
May 2002 **dg.o '02:** Proceedings of the 2002 annual national conference on Digital government research
Publisher: Digital Government Research Center

Full text available: Pdf (319.96 KB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 135, Citation Count: 0

A partnership between Government agencies and the information technologies research commur has succeeded in the past for the benefit of the Nation. The most notable example is the emerge of the Internet as the basis for broad scientific, cultural, ...

39 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz
March 2002 **Wireless Networks**, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers

Full text available: Pdf (365.68 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 112, Citation Count: 5

The widespread deployment of inexpensive communications technology, computational resource: the networking infrastructure, and network-enabled end devices poses an interesting problem fo users: how to locate a particular network service or device ...

Keywords: location services, name lookup, network protocols, service discovery

40 Building and supporting a massive data infrastructure for the masses

Anurag Shankar, Gustav Meglicki, Jeff Russ, Haichuan Yang, E. Chris Garrison
November 2002 **SIGUCCS '02:** Proceedings of the 30th annual ACM SIGUCCS conference on User services
Publisher: ACM

Full text available:

Pdf (526.33 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 32,   Citation Count: 1

On a typical university campus, the words "massive data storage" (MDS) usually bring to mind technology high-end, high performance computing (HPC) users might use. This is because acade supercomputer sites have traditionally provided a tightly interwoven ...

Keywords: DCE, DFS, HPSS, HSM, distributed storage, hierarchical storage management, mass data storage, support

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1 Zero-interaction authentication
Mark D. Corner, Brian D. Noble
September 2002 **MobiCom '02:** Proceedings of the 8th annual international conference on Mobile
                  computing and networking
Publisher: ACM
Full text available: 📄 Pdf (273.30 KB)   Additional Information: full citation, abstract, references, cited by, index terı

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 168,   Citation Count: 14

Laptops are vulnerable to theft, greatly increasing the likelihood of exposing sensitive files.
Unfortunately, storing data in a cryptographic file system does not fully address this problem. Su
systems ask the user to imbue them with long-term authority ...

Keywords: cryptographic file systems, mobile computing, stackable file systems, transient
authentication

2 Secure virtual enclaves: Supporting coalition use of distributed application technologies
May 2001   **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue 2
Publisher: ACM
Full text available: 📄 Pdf (462.10 KB)   Additional Information: full citation, abstract, references, cited by, index terı
                                                                              review

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 83,   Citation Count: 2

The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to sł
their distributed application objects, while respecting organizational autonomy over local resourc
infrastructure is transparent to applications, ...

Keywords: Access control, coalition, collaborative system, group communication, middleware, s
policy

3 A context-related authorization and access control method based on RBAC:
Marc Wilikens, Simone Feriti, Alberto Sanna, Marcelo Masera
June 2002   **SACMAT '02:** Proceedings of the seventh ACM symposium on Access control models ar
                  technologies
Publisher: ACM
Full text available: 📄 Pdf (260.70 KB)   Additional Information: full citation, abstract, references, cited by, index terı

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 152,   Citation Count: 3

This paper describes an application of authorization and access control based on the Role Based Control (RBAC) method and integrated in a comprehensive trust infrastructure of a health care application. The method is applied to a health care business ...

Keywords: role based access control (RBAC), secure health care system, trust infrastructure

4 Securing passwords against dictionary attacks

Benny Pinkas, Tomas Sander
November 2002 **CCS '02:** Proceedings of the 9th ACM conference on Computer and communications
                 security
Publisher: ACM
Full text available: Pdf (216.72 KB)   Additional Information: full citation, abstract, references, cited by, index terr

Bibliometrics: Downloads (6 Weeks): 28,   Downloads (12 Months): 263,   Citation Count: 16

The use of passwords is a major point of vulnerability in computer security, as passwords are oft to guess by automated programs running dictionary attacks. Passwords remain the most widely authentication method despite their well-known security ...

5 Self-organized network-layer security in mobile ad hoc networks

Hao Yang, Xiaoqiao Meng, Songwu Lu
September 2002 **WiSE '02:** Proceedings of the 1st ACM workshop on Wireless security
Publisher: ACM
Full text available: Pdf (226.72 KB)   Additional Information: full citation, abstract, references, cited by, index terr

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 268,   Citation Count: 15

Protecting the network layer in a mobile ad hoc network is an important research topic in wireles security. This paper describes our unified network-layer security solution in ad hoc networks, wh protects both routing and packet forwarding functionalities ...

Keywords: mobile ad hoc networks, self-organized security

6 Satchel: providing access to any document, any time, anywhere

Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury
September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3
Publisher: ACM
Full text available: Pdf (591.29 KB)   Additional Information: full citation, abstract, references, cited by, index terr

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 124,   Citation Count: 18

Current solutions for providing access to electronic documents while away from the office do not the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features ...

Keywords: document access, document appliance, document processing, information appliance computing, mobile work

7 MarconiNet supporting streaming media over localized wireless multicast

Ashutosh Dutta, Subir Das, Wai Chen, Anthony McAuley, Henning Schulzrinne, Onur Altintas
September 2002 **WMC '02:** Proceedings of the 2nd international workshop on Mobile commerce

Publisher: ACM

Full text available: Pdf (464.72 KB)　　　　Additional Information: full citation, abstract, references, cited by, index ten

Bibliometrics: Downloads (6 Weeks): 4,　Downloads (12 Months): 51,　Citation Count: 2

Flexible multi-media streaming such as advertisment insertion, location based services, mobility wireless access are vital components that make existing Internet Radio and TV networks more at for the roaming users. All of these applications ...

Keywords: join/leave latency, marconinet, multicast, streaming

8 Law-governed interaction: a coordination and control mechanism for heterogeneous distrib systems

Naftaly H. Minsky, Victoria Ungureanu

July 2000　　**ACM Transactions on Software Engineering and Methodology (TOSEM),**　Volume

Publisher: ACM

Full text available: Pdf (792.05 KB)　　　　Additional Information: full citation, abstract, references, cited by, index ten

Bibliometrics: Downloads (6 Weeks): 7,　Downloads (12 Months): 77,　Citation Count: 23

Software technology is undergoing a transition form monolithic systems, constructed according t single overall design, into conglomerates of semiautonomous, heterogeneous, and independently designed subsystems, constructed and managed by different ...

Keywords: coordination of heterogeneous agents, policy enforcement, scalability

9 The importance of translucence in mobile computing systems

Maria R. Ebling, Bonnie E. John, M. Satyanarayanan

March 2002　**ACM Transactions on Computer-Human Interaction (TOCHI),**　Volume 9 Issue 1

Publisher: ACM

Full text available: Pdf (330.59 KB)　　　　Additional Information: full citation, abstract, references, cited by, index ten

Bibliometrics: Downloads (6 Weeks): 20,　Downloads (12 Months): 129,　Citation Count: 3

Mobile computing has been an active area of research for the past decade, but its importance wi increase substantially in the decade to come. One problem faced by designers of mobile systems of maintaining the illusion of connectivity even ...

Keywords: Coda, disconnected operation, mobile computing, translucent cache management, w connected operation

10 Implementing physical hyperlinks using ubiquitous identifier resolution

Tim Kindberg

May 2002　　**WWW '02:** Proceedings of the 11th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (400.83 KB)　　　　Additional Information: full citation, abstract, references, cited by, index ten

Bibliometrics: Downloads (6 Weeks): 9,　Downloads (12 Months): 67,　Citation Count: 10

Identifier resolution is presented as a way to link the physical world with virtual Web resources. paradigm, designed to support nomadic users, the user employs a handheld, wirelessly connecte sensor-equipped device to read identifiers associated ...

Keywords: identifier resolution, mobile computing, nomadic computing, physical hyperlinks, ubi computing

11 Principled design of the modern Web architecture

Roy T. Fielding, Richard N. Taylor
May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2
Publisher: ACM
Full text available: Pdf (335.47 KB)　　Additional Information: full citation, abstract, references, cited by, index ter

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 640, Citation Count: 15

The World Wide Web has succeeded in large part because its software architecture has been des
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emphasizes scalability of component interactions, ...

Keywords: Network-based applications, REST, World Wide Web

12 Designing a distributed access control processor for network services on the Web

Reiner Kraft
November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security
Publisher: ACM
Full text available: Pdf (301.14 KB)　　Additional Information: full citation, abstract, references, cited by, index ter

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 213, Citation Count: 4

The service oriented architecture (SOA) is gaining more momentum with the advent of network s
on the Web. A programmable and machine accessible Web is the vision of many,and might repre
step towards the semantic Web. However, security is ...

Keywords: Web services, XML, access control, security

13 Towards the digital government of the 21st century

Herbert Schorr, Salvatore J. Stolfo
May 2002 **dg.o '02:** Proceedings of the 2002 annual national conference on Digital government re
Publisher: Digital Government Research Center
Full text available: Pdf (319.96 KB)　　Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 135, Citation Count: 0

A partnership between Government agencies and the information technologies research commur
succeeded in the past for the benefit of the Nation. The most notable example is the emergence
Internet as the basis for broad scientific, cultural, ...

14 Secure virtual private networks: the future of data communications

Eli Herscovitz
August 1999 **International Journal of Network Management**, Volume 9 Issue 4
Publisher: John Wiley & Sons, Inc.
Full text available: Pdf (230.05 KB)　　Additional Information: full citation, abstract, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 297, Citation Count: 1

The Internet is an almost ideal means for information retrieval and exchange. It is cost-effective
to use and easily accessible. However, it can also be susceptible to devious practices such as dat
tempering, eavesdropping and theft. This paper ...

15 Abstraction-based intrusion detection in distributed environments

Peng Ning, Sushil Jajodia, Xiaoyang Sean Wang

November 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Is

Publisher: ACM

Full text available: Pdf (590.61 KB)   Additional Information: full citation, abstract, references, cited by, index terr review

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 230, Citation Count: 6

Abstraction is an important issue in intrusion detection, since it not only hides the difference bet heterogeneous systems, but also allows generic intrusion-detection models. However, abstractio error-prone process and is not well supported ...

Keywords: Cooperative information systems, heterogeneous systems, intrusion detection, misu detection

16 Experiences with network-based user agents for mobile applications

Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: Pdf (631.57 KB)   Additional Information: full citation, abstract, references, cited by, index terr

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 76, Citation Count: 2

Wireless networks are characterized by simple end devices and limited bandwidth. One solution 1 address these and other limitations of the wireless mobile environment that has been widely pur the placement of proxies, or agents, inside the network ...

17 The <bigwig> project

Claus Brabrand, Anders Møller, Michael I. Schwartzbach

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2

Publisher: ACM

Full text available: Pdf (586.33 KB)   Additional Information: full citation, abstract, references, cited by, index terr

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 66, Citation Count: 24

We present the results of the <bigwig> project, which aims to design and implement a high-leve domain-specific language for programming interactive Web services. A fundamental aspect of the development of the World Wide Web during the last ...

Keywords: Interactive Web services, program analysis

18 Electronic commerce universal access device-the knowledge-acquiring layered infrastructu (KALI) project

Theodore Chiasson, Carrie Gates

September 2000 **Crossroads**, Volume 7 Issue 1

Publisher: ACM

Full text available: Html (35.92 KB), Pdf (118.74 KB) Additional Information: full citation, references, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 7, Citation Count: 0

19 Separating access control policy, enforcement, and functionality in extensible systems

Robert Grimm, Brian N. Bershad

February 2001 **ACM Transactions on Computer Systems (TOCS)**, Volume 19 Issue 1

Publisher: ACM

Full text available: Pdf (164.03 KB)   Additional Information: full citation, abstract, references, cited by, index terr review

Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 228,   Citation Count: 3

Extensible systems, such as Java or the SPIN extensible operating system, allow for units of cod extensions, to be added to a running system in almost arbitrary fashion. Extensions closely inter through low-latency but type-safe interfaces to ...

Keywords: Java, SPIN, access check, auditing, extensible systems, policy-neutral enforcement, protection domain, protection domain transfer, security policy

20 Protecting electronic commerce from distributed denial-of-service attacks

José Brustoloni

May 2002   **WWW '02:** Proceedings of the 11th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (133.78 KB)   Additional Information: full citation, abstract, references, cited by, index terr

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 104,   Citation Count: 2

It is widely recognized that distributed denial-of-service (DDoS) attacks can disrupt electronic commerce and cause large revenue losses. However, effective defenses continue to be mostly unavailable. We describe and evaluate VIPnet, a novel value-added ...

Keywords: denial of service, electronic commerce, quality of service

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Feedback

(multiple and factor and authentication and token)
Published before December 2002
Terms used: **multiple factor authentication token**

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21 The evolution of Coda
M. Satyanarayanan
May 2002　**ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 2
Publisher: ACM
Full text available: Pdf (441.35 KB)　　Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 222, Citation Count: 17

Failure-resilient, scalable, and secure read-write access to shared information by mobile and stat
over wireless and wired networks is a fundamental computing challenge. In this article, we descr
the Coda file system has evolved to meet ...

Keywords: Adaptation, Linux, UNIX, Windows, caching, conflict resolution, continuous data acce
staging, disaster recovery, disconnected operation, failure, high availability, hoarding, intermitte
networks, isolation-only transactions, low-bandwidth networks, mobile computing, optimistic rep
control, server replication, translucent cache management, weakly connected operation

22 Perils and pitfalls of practical cybercommerce
Nathaniel S. Borenstein
June 1996 **Communications of the ACM**, Volume 39 Issue 6
Publisher: ACM
Full text available: Pdf (465.63 KB)　Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 58, Citation Count: 7

23 Securing context-aware applications using environment roles
Michael J. Covington, Wende Long, Srividhya Srinivasan, Anind K. Dev, Mustaque Ahamad, Gregory
May 2001　**SACMAT '01:** Proceedings of the sixth ACM symposium on Access control models and
　　　　　technologies
Publisher: ACM
Full text available: Pdf (131.07 KB)　　Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 133, Citation Count: 30

In the future, a largely invisible and ubiquitous computing infrastructure will assist people with a
activities in the home and at work. The applications that will be deployed in such systems will cre

manipulate private information ...

Keywords: context aware computing, role-based access control

24 Securing passwords against dictionary attacks

Benny Pinkas, Tomas Sander
November 2002 **CCS '02:** Proceedings of the 9th ACM conference on Computer and communications
Publisher: ACM

Full text available: Pdf (216.72 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 28,   Downloads (12 Months): 263,   Citation Count: 16

The use of passwords is a major point of vulnerability in computer security, as passwords are oft
guess by automated programs running dictionary attacks. Passwords remain the most widely use
authentication method despite their well-known security ...

25 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world

Marjory S. Blumenthal, David D. Clark
August 2001 **ACM Transactions on Internet Technology (TOIT)**,   Volume 1 Issue 1
Publisher: ACM

Full text available: Pdf (176.33 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 116,   Downloads (12 Months): 818,   Citation Count: 27

This article looks at the Internet and the changing set of requirements for the Internet as it beco
commercial, more oriented toward the consumer, and used for a wider set of purposes. We discu
principles that have guided the design ...

Keywords: ISP, Internet, end-to-end argument

26 Centralization vs. decentralization of application software

David Schuff, Robert St. Louis
June 2001   **Communications of the ACM**,   Volume 44 Issue 6
Publisher: ACM

Full text available: Html (30.50 KB), Pdf (103.22 KB) Additional Information: full citation, references, cited by, inde
review

Bibliometrics: Downloads (6 Weeks): 26,   Downloads (12 Months): 145,   Citation Count: 1

27 Biometric identification

Anil Jain, Lin Hong, Sharath Pankanti
February 2000 **Communications of the ACM**,   Volume 43 Issue 2
Publisher: ACM

Full text available: Html (37.23 KB), Pdf (677.32 KB) Additional Information: full citation, references, cited by, inde

Bibliometrics: Downloads (6 Weeks): 108,   Downloads (12 Months): 1283,   Citation Count: 20

28 Self-organized network-layer security in mobile ad hoc networks

Hao Yang, Xiaoqiao Meng, Songwu Lu

September 2002 **WiSE '02:** Proceedings of the 1st ACM workshop on Wireless security
Publisher: ACM
Full text available: Pdf (226.72 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 268,   Citation Count: 15

> Protecting the network layer in a mobile ad hoc network is an important research topic in wireles
> This paper describes our unified network-layer security solution in ad hoc networks, which protec
> routing and packet forwarding functionalities ...
>
> **Keywords**: mobile ad hoc networks, self-organized security

29 An Internet multicast system for the stock market
August 2001 **ACM Transactions on Computer Systems (TOCS)**,   Volume 19 Issue 3
Publisher: ACM
Full text available: Pdf (296.88 KB)   Additional Information: full citation, abstract, references, index terms, revi

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 181,   Citation Count: 3

> We are moving toward an international, 24-hour, distributed, electronic stock exchange. The exc
> use the global Internet, or internet technology. This system is a natural application of multicast t
> there are a large number of receivers ...
>
> **Keywords**: multicast

30 The client's side of the World-Wide Web
Hal Berghel
January 1996 **Communications of the ACM**,   Volume 39 Issue 1
Publisher: ACM
Full text available: Pdf (444.33 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 73,   Citation Count: 10

31 A public-key based secure mobile IP
John Zao, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Helinek, Nina Yuan, Isidro Castine
Stephen Kent
October 1999 **Wireless Networks**,   Volume 5 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: Pdf (255.65 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 147,   Citation Count: 2

32 Principled design of the modern Web architecture
Roy T. Fielding, Richard N. Taylor
June 2000   **ICSE '00:** Proceedings of the 22nd international conference on Software engineering
Publisher: ACM
Full text available: Pdf (217.34 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 165,   Citation Count: 9

> The World Wide Web has succeeded in large part because its software architecture has been des
> meet the needs of an Internet-scale distributed hypermedia system. The modern Web architectu

emphasizes scalability of component ...

Keywords: WWW, software architectural style, software architecture

33 Computing curricula 2001
CORPORATE The Joint Task Force on Computing Curricula
September 2001 **Journal on Educational Resources in Computing (JERIC)**,   Volume 1 Issue 3es
Publisher: ACM
Full text available: Html (2.78 KB), Pdf (613.63 KB) Additional Information: full citation, references, cited by, index

Bibliometrics: Downloads (6 Weeks): 167,   Downloads (12 Months): 1700,   Citation Count: 23

34 Internet privacy concerns confirm the case for intervention
Roger Clarke
February 1999 **Communications of the ACM**,   Volume 42 Issue 2
Publisher: ACM
Full text available: Html (39.41 KB), Pdf (185.98 KB) Additional Information: full citation, references, cited by, inde
review

Bibliometrics: Downloads (6 Weeks): 56,   Downloads (12 Months): 601,   Citation Count: 21

35 A reliable multicast framework for light-weight sessions and application level framing
Sally Floyd, Van Jacobson, Ching-Gung Liu, Steven McCanne, Lixia Zhang
December 1997 **IEEE/ACM Transactions on Networking (TON)**,   Volume 5 Issue 6
Publisher: IEEE Press
Full text available: Pdf (310.74 KB)   Additional Information: full citation, references, cited by, index terms, revis

Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 137,   Citation Count: 109

Keywords: Internetworking, computer network performance, computer networks

36 YouServ: a web-hosting and content sharing tool for the masses
Roberto J. Bayardo Jr., Rakesh Agrawal, Daniel Gruhl, Amit Somani
May 2002   **WWW '02:** Proceedings of the 11th international conference on World Wide Web
Publisher: ACM
Full text available: Pdf (238.48 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 58,   Citation Count: 7
YouServ is a system that allows its users to pool existing desktop computing resources for *high* ε
web hosting and file sharing. By exploiting standard web and internet protocols (e.g. HTTP and Γ
YouServ does not require those who ...

Keywords: decentralized systems, p2p, peer-to-peer networks, web hosting

37 Satchel: providing access to any document, any time, anywhere
Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury
September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**,   Volume 7 Issue 3
Publisher: ACM

Full text available: Pdf (591.29 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 124,   Citation Count: 18

Current solutions for providing access to electronic documents while away from the office do not
special needs of mobile document workers. We describe "Satchel," a system that is designed spe
support the distinctive features ...

Keywords: document access, document appliance, document processing, information appliance
computing, mobile work

38 Middleware: a model for distributed system services
Philip A. Bernstein
February 1996 **Communications of the ACM**,   Volume 39 Issue 2
Publisher: ACM
Full text available: Pdf (238.25 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 54,   Downloads (12 Months): 482,   Citation Count: 39

39 Access control for large collections
H. M. Gladney
April 1997   **ACM Transactions on Information Systems (TOIS)**,   Volume 15 Issue 2
Publisher: ACM
Full text available: Pdf (482.88 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 25,   Downloads (12 Months): 169,   Citation Count: 4

Efforts to place vast information resources at the fingertips of each individual in large user popul
must be balanced by commensurate attention to information protection. For distributed systems
structured tasks, more-diversified information, ...

Keywords: access control, digital library, document, electronic library, information security

40 The transport layer: tutorial and survey
Sami Iren, Paul D. Amer, Phillip T. Conrad
December 1999 **ACM Computing Surveys (CSUR)**,   Volume 31 Issue 4
Publisher: ACM
Full text available: Pdf (261.78 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 48,   Downloads (12 Months): 477,   Citation Count: 2

Transport layer protocols provide for end-to-end communication between two or more hosts. Thi
presents a tutorial on transport layer concepts and terminology, and a survey of transport layer :
and protocols. The transport layer protocol ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport serv

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Terms used: **multiple factor authentication token**

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41 War stories from Andrew
❧ J. H. Morris
December 1996 **Communications of the ACM**, Volume 39 Issue 12es
Publisher: ACM
Full text available: ▦ Pdf (54.91 KB)　Additional Information: full citation, index terms

　　Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 22, Citation Count: 0

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42 Towards the digital government of the 21ˢᵗ century: a report from the workshop on research and development opportunities in federal information services
Herbert Schorr, Salvatore J. Stolfo
May 2000 **dg.o '00:** Proceedings of the 2000 annual national conference on Digital government research
Publisher: Digital Government Research Center
Full text available: ▦ Pdf (339.17 KB)　Additional Information: full citation, abstract

　　Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 93, Citation Count: 0

　　A partnership between Government agencies and the information technologies research
　　community has succeeded in the past for the benefit of the Nation. The most notable
　　example is the emergence of the Internet as the basis for broad scientific, cultural, ...

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43 Efficient, DoS-resistant, secure key exchange for internet protocols
❧ William Aiello, Steven M. Bellovin, Matt Blaze, John Ioannidis, Omer Reingold, Ran Canetti,
Angelos D. Keromytis
November 2002 **CCS '02:** Proceedings of the 9th ACM conference on Computer and communications security
Publisher: ACM
Full text available: ▦ Pdf (118.52 KB)　Additional Information: full citation, abstract, references, cited by, index terms

　　Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 105, Citation Count: 15

　　　We describe JFK, a new key exchange protocol, primarily designed for use in the IP
　　　Security Architecture. It is simple, efficient, and secure; we sketch a proof of the latter

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property. JFK also has a number of novel engineering parameters that permit ...

Keywords: cryptography, denial of service attacks

44 Smart Cards and Biometrics: The cool way to make secure transactions
David Corcoran, David Sims, Bob Hillhouse
March 1999 **Linux Journal**,   Volume 1999 Issue 59es
Publisher: Specialized Systems Consultants, Inc.
Full text available: Html (22.95 KB)   Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 234,   Citation Count: 0

45 Unlinkable serial transactions: protocols and applications
Stuart G. Stubblebine, Paul F. Syverson, David M. Goldschlag
November 1999 **ACM Transactions on Information and System Security (TISSEC)**,
Volume 2 Issue 4
Publisher: ACM
Full text available: Pdf (184.87 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 63,   Citation Count: 10

We present a protocol for unlinkable serial transactions suitable for a variety of network-based subscription services. It is the first protocol to use cryptographic blinding to enable subscription services. The protocol prevents the service from tracking ...

Keywords: anoymity, blinding, cryptographic protocols, unlinkable serial transactions

46 Practical byzantine fault tolerance and proactive recovery
Miguel Castro, Barbara Liskov
November 2002 **ACM Transactions on Computer Systems (TOCS)**,   Volume 20 Issue 4
Publisher: ACM
Full text available: Pdf (1.63 MB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 44,   Downloads (12 Months): 356,   Citation Count: 25

Our growing reliance on online services accessible on the Internet demands highly available systems that provide correct service without interruptions. Software bugs, operator mistakes, and malicious attacks are a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive recovery, state machine replication, state transfer

47 Muscle Flexes Smart Cards into Linux
David Corcoran
August 1998 **Linux Journal**,   Volume 1998 Issue 52es
Publisher: Specialized Systems Consultants, Inc.
Full text available: Html (16.89 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 23,   Citation Count: 0

The newest kind of card for your pocketbook offers better security for the information it holds

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21 Programming by a sample: rapidly creating web applications with d.m
Björn Hartmann, Leslie Wu, Kevin Collins, Scott R. Klemmer
October 2007 **UIST '07:** Proceedings of the 20th annual ACM symposium or
       technology
Publisher: ACM
Full text available: 📄 Pdf (3.87 MB), 🎬 Wmv (3:43 MIN) Additional Information: full citatior

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 260, Citatior

Source-code examples of APIs enable developers to quickly gain a gestal
functionality, and they support organically creating applications by increr
functional starting point. As an increasing number of ...

Keywords: mashups, programming by example modification, prototypir

22 A middleware system for protecting against application level denial o
Mudhakar Srivatsa, Arun Iyengar, Jian Yin, Ling Liu
November 2006 **Middleware '06:** Proceedings of the ACM/IFIP/USENIX 200
       on Middleware
Publisher: Springer-Verlag New York, Inc.
Full text available: 📄 Pdf (1.99 MB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 6, Citation Cc

Recently, we have seen increasing numbers of denial of service (DoS) at
and web applications either for extortion reasons, or for impairing and ev
These DoS attacks have increasingly targeted ...

23 Improving the scalability of platform attestation
Frederic Stumpf, Andreas Fuchs, Stefan Katzenbeisser, Claudia Eckert
October 2008 **STC '08:** Proceedings of the 3rd ACM workshop on Scalable tr
Publisher: ACM
Full text available: 📄 Pdf (463.41 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 86, Citation

In the process of platform attestation, a Trusted Platform Module is a per
causes enormous delays if multiple simultaneously attestation requests a
time. In this paper we show how the scalability of ...

Keywords: attestation protocols, integrity reporting, performance, remc
trusted computing

24 Support for distributed adaptations in aspect-oriented middleware
Eddy Truyen, Nico Janssens, Frans Sanen, Wouter Joosen
March 2008 **AOSD '08:** Proceedings of the 7th international conference on ,
development
Publisher: ACM
Full text available: Pdf (451.12 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 232,   Citatior

Many aspect-oriented middleware platforms support run-time aspect wea
coordinating distributed changes to a set of aspects at run-time. A distrib
or unweaving multiple inter-dependent aspects that are ...

Keywords: DyRes, JBoss AOP, Spring AOP, distributed aspects, dynamic
aspect weaving

25 Mesh: secure, lightweight grid middleware using existing SSH infrast
Paul Z. Kolano
June 2007   **SACMAT '07:** Proceedings of the 12th ACM symposium on Acce
technologies
Publisher: ACM
Full text available: Pdf (178.90 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 82,   Citation C

Grid computing promises gains in effective computational power, resourc
accessibility, but in order to achieve these gains, organizations must dep
most cases, does not adhere to fundamental security ...

Keywords: SSH, access control, authentication, authorization, delegatio
middleware, security, single sign-on

26 YouServ: a web-hosting and content sharing tool for the masses
Roberto J. Bayardo Jr., Rakesh Agrawal, Daniel Gruhl, Amit Somani
May 2002   **WWW '02:** Proceedings of the 11th international conference or
Publisher: ACM
Full text available: Pdf (238.48 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 57,   Citation

YouServ is a system that allows its users to pool existing desktop compu
availability web hosting and file sharing. By exploiting standard web and
and DNS), YouServ does not require those who ...

Keywords: decentralized systems, p2p, peer-to-peer networks, web ho:

27 Improving multi-tier security using redundant authentication
Jodie P. Boyer, Ragib Hasan, Lars E. Olson, Nikita Borisov, Carl A. Gunter, I

November 2007 **CSAW '07:** Proceedings of the 2007 ACM workshop on Com
Publisher: ACM
Full text available: Pdf (498.98 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 101, Citation

Multi-tier web server systems are used in many important contexts and 1
cause of concern. Such systems can exploit strategies like least privilege
secure in the presence of compromised higher tiers. In ...

Keywords: Building Automation Systems, authentication

28 Identity protection factor (IPF)
Arshad Noor
March 2008 **IDtrust '08:** Proceedings of the 7th symposium on Identity and
Publisher: ACM
Full text available: Pdf (436.77 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 205, Citation

Since the dawn of computing, operating systems and applications have u
identify and authenticate entities accessing resources within computers.
schemes have varied, there appears to have been little attempt ...

Keywords: access control, asymmetric key, authentication, identificatio
management, identity protection factor (IPF), shared-secret, symmetric

29 New client puzzle outsourcing techniques for DoS resistance
Brent Waters, Ari Juels, J. Alex Halderman, Edward W. Felten
October 2004 **CCS '04:** Proceedings of the 11th ACM conference on Comput
          security
Publisher: ACM
Full text available: Pdf (382.11 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 111, Citation

We explore new techniques for the use of cryptographic puzzles as a cou
Service (DoS) attacks. We propose simple new techniques that permit th
their distribution via a robust external service that we ...

Keywords: DoS, client puzzles, denial-of-service

30 It's not what you know, but who you know: a social approach to last-r
Stuart Schechter, Serge Egelman, Robert W. Reeder
April 2009   **CHI '09:** Proceedings of the 27th international conference on H
          systems
Publisher: ACM
Full text available: Pdf (914.44 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 29, Citation

Backup authentication mechanisms help users who have forgotten their |

their accounts-or at least try. Today's systems fall short in meeting both requirements. We designed, built, and tested a new backup ...

Keywords: privacy, security, usability testing and evaluation

31 Formal analysis of card-based payment systems in mobile devices
Vijayakrishnan Pasupathinathan, Josef Pieprzyk, Huaxiong Wang, Joo Yeon
January 2006 **ACSW Frontiers '06: Proceedings of the 2006 Australasi computing and e-research - Volume 54** , Volume 54
Publisher: Australian Computer Society, Inc.
Full text available: Pdf (169.95 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 213, Citatioı

To provide card holder authentication while they are conducting an electr devices, VISA and MasterCard independently proposed two electronic pa Secure and MasterCard Secure Code. The protocols use ...

Keywords: card-based systems, electronic payments, formal verificatioı

32 Wireless authentication using remote passwords
Andrew Harding, Timothy W. van der Horst, Kent E. Seamons
March 2008 **WiSec '08:** Proceedings of the first ACM conference on Wireles
Publisher: ACM
Full text available: Pdf (184.23 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 274, Citatioı

Current wireless authentication mechanisms typically rely on inflexible sh heavyweight public-key infrastructure with user-specific digital certificate support for environments with dynamic user bases where ...

Keywords: SAW, SRP, decentralized wireless authentication

33 Machine learning attacks against the Asirra CAPTCHA
Philippe Golle
October 2008 **CCS '08:** Proceedings of the 15th ACM conference on Comput security
Publisher: ACM
Full text available: Pdf (448.89 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 183, Citatioı

The Asirra CAPTCHA [EDHS2007], proposed at ACM CCS 2007, relies on images of cats and dogs (a task that humans are very good at). The secı presumed difficulty of classifying these images automatically. ...

Keywords: captcha, classifier, machine learning, reverse turing test, su

34
How to make secure email easier to use

Simson L. Garfinkel, David Margrave, Jeffrey I. Schiller, Erik Nordlander, R(
April 2005   **CHI '05:** Proceedings of the SIGCHI conference on Human fact(
Publisher: ACM
Full text available: Pdf (419.10 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 47, Downloads (12 Months): 265, Citatio

Cryptographically protected email has a justly deserved reputation of bei
an analysis of the PEM, PGP and S/MIME standards and a survey of 470 (
on Amazon.com, we argue that the vast majority of ...

Keywords: e-commerce, user interaction design, user studies

35 OMash: enabling secure web mashups via object abstractions
Steven Crites, Francis Hsu, Hao Chen
October 2008 **CCS '08:** Proceedings of the 15th ACM conference on Comput
                 security
Publisher: ACM
Full text available: Pdf (169.50 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 55, Downloads (12 Months): 199, Citatio

The current security model used by web browsers, the Same Origin Polic
secure cross-domain communication desired by web mashup developers.
choose between no trust, where no communication is allowed, and ...

Keywords: browser, communication, mashup, object abstraction, prote(
security model, web

36 A secure pervasive environment
Patrick G. McLean
January 2003 **ACSW Frontiers '03: Proceedings of the Australasian inf
                 workshop conference on ACSW frontiers 2003 - Volume**
Publisher: Australian Computer Society, Inc.
Full text available: Pdf (240.64 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 123, Citatio

This paper explores the complications encountered when attempting to c
computing environment. The model introduced in this paper is primarily
environment is built around a shared space containing a classified ...

37 An exprimental investigation of the usability of transaction authorizati
systems
Mohammed AlZomai, Bander AlFayyadh, Audun Jøsang, Adrian McCullagh
January 2008 **AISC '08: Proceedings of the sixth Australasian confere
                 security - Volume 81** , Volume 81
Publisher: Australian Computer Society, Inc.
Full text available: Pdf (708.01 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 250, Citatio

Security for online banking has changed considerably during the relativel

banking has been in use. In particular, authentication and identity mana⌐
implementations were, and sometimes still are, vulnerable ...

Keywords: authentication, authorization, identity management, online ⌐

38 Trust and traceability in electronic commerce
Dennis D. Steinauer, Shukri A. Wakid, Stanley Rasberry
September 1997 **StandardView** , Volume 5 Issue 3
Publisher: ACM
Full text available: Pdf (46.16 KB)   Additional Information: full citation, references,

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 83, Citation (

39 Question-based group authentication
Ann Nosseir, Richard Connor, Karen Renaud
November 2006 **OZCHI '06:** Proceedings of the 18th Australia conference o⌐
                        Interaction: Design: Activities, Artefacts and Environments
Publisher: ACM
Full text available: Pdf (369.87 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 43, Citation (

There are various situations where a distinction needs to be made betwe
outsiders. For example, to protect students in chat groups from unpleasa
intruders; or to provide access to common domains such as computer ...

Keywords: computers and society, human factors, security, social and ⌐
based services

40 Single sign-on for java web start applications using myproxy
Terry Fleury, Jim Basney, Von Welch
November 2006 **SWS '06:** Proceedings of the 3rd ACM workshop on Secure
Publisher: ACM
Full text available: Pdf (680.33 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 114, Citatio⌐

Single sign-on is critical for the usability of distributed systems. While th
mechanisms which support single sign-on (e.g. Kerberos and X.509), it r
particular legacy application to utilize an ...

Keywords: grid portals, session passwords, single sign-on

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41 Countermeasures for attacks on satellite TV cards using open receiv
Lishoy Francis, William G. Sirett, Keith Mayes, Konstantinos Markantonakis
January 2005 **ACSW Frontiers '05: Proceedings of the 2005 Australasi
computing and e-research - Volume 44** , Volume 44
Publisher: Australian Computer Society, Inc.
Full text available: 📄 Pdf (100.10 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 59,   Citation C

Digital content providers seek to restrict usage by implementing conditio
is the security aspects of digital video broadcast (DVB-S). There has bee
technology to circumvent any security measures ...

Keywords: DVB, attacks and countermeasures, satellite content

42 Proceedings of the 33rd international conference on Very large data
Wolfgang Klas, Erich J. Neuhold
September 2007 **VLDB '07:** Proceedings of the 33rd international conferenc
Publisher: VLDB Endowment
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citatior

It is our pleasure to present to you the Proceedings of the 33rd Internati
Data Bases (VLDB), taking place in Vienna, Austria. The annual VLDB Co
international venue for the dissemination and exchange ...

43 Federated identity management for protecting users from ID theft
Paul Madsen, Yuzo Koga, Kenji Takahashi
November 2005 **DIM '05:** Proceedings of the 2005 workshop on Digital iden
Publisher: ACM
Full text available: 📄 Pdf (143.83 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 31,   Downloads (12 Months): 274,   Citatior

Federated identity management is sometimes criticized as exacerbating t
theft, based as it is on the idea of connecting together previously separa
information. This paper explores this conjecture, and ...

Keywords: federated identity, identity theft, phishing

44 Efficient fingerprint-based user authentication for embedded systems

Pallav Gupta, Srivaths Ravi, Anand Raghunathan, Niraj K. Jha

June 2005   **DAC '05:** Proceedings of the 42nd annual conference on Design

Publisher: ACM

Full text available: Pdf (1.07 MB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 25,   Downloads (12 Months): 148,   Citatior

User authentication, which refers to the process of verifying the identity
important security requirement in various embedded ...

Keywords: embedded systems, extensible processors, fingerprint, user

45 The credentials pattern

Patrick Morrison, Eduardo B. Fernandez

October 2006 **PLoP '06:** Proceedings of the 2006 conference on Pattern lan

Publisher: ACM

Full text available: Pdf (149.41 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 35,   Citation

In this paper we describe *Credentials*, which provide secure means of rec
authorization information for use in distributed systems.

Keywords: credentials, distributed systems, patterns, security patterns,

46 Search, sort, pagination, association and (other) CRUD: a compariso
MyFaces tomahawk

Doug Serfass, Kalyan S. Thiparthi, Coskun Bayrak

July 2008   **SIGSOFT Software Engineering Notes** , Volume 33 Issue 4

Publisher: ACM

Full text available: Pdf (806.51 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 96,   Citation C

Web applications have many more model objects exposed on the backen
on the front, or public side. Coding interfaces for all those models is redu
resources when all that is needed is Search, Sort, Pagination, ...

Keywords: ActiveScaffold, CRUD, Java, MyFaces tomahawk, Ruby on Ra
search, sort

47 The case for a location metasystem

Nick Doty

April 2009   **LOCWEB '09:** Proceedings of the 2nd International Workshop o

Publisher: ACM

Full text available: Pdf (362.67 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 15,   Citation

Microsoft has proposed an identity metasystem to standardize identity se

behind them. A location metasystem can support interoperation between users' privacy and handle issues of granularity. The simple ...

Keywords: granularity, identity, location, metasystem, privacy

48 Communications of the ACM: Volume 51 Issue 2
February 2008 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (3.89 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 305,   Downloads (12 Months): 2692,   Cita

49 Communications of the ACM: Volume 52 Issue 2
February 2009 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (7.09 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 1332,   Downloads (12 Months): 2611,   Cit

50 Enhancing learning management systems to better support compute
Guido Rößling, Mike Joy, Andrés Moreno, Atanas Radenski, Lauri Malmi, An
Rockford J. Ross, Michael Clancy, Ari Korhonen, Rainer Oechsle, J. Ángel Ve
November 2008 **SIGCSE Bulletin** , Volume 40 Issue 4
Publisher: ACM
Full text available: Pdf (435.69 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 172,   Downloads (12 Months): 436,   Citati

Many individual instructors -- and, in some cases, entire universities -- a of comprehensive learning management systems (LMSs), such as Blackb courses and enhancing student learning. As useful ...

Keywords: CALMS, LMS, computer science education, computing augm system, learning management system

51 Secure web application via automatic partitioning
Stephen Chong, Jed Liu, Andrew C. Myers, Xin Qi, K. Vikram, Lantian Zhen
October 2007 **SOSP '07:** Proceedings of twenty-first ACM SIGOPS symposiu
            principles
Publisher: ACM
Full text available: Pdf (323.63 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 48,   Downloads (12 Months): 395,   Citatio

Swift is a new, principled approach to building web applications that are modern web applications, some application functionality is usually impler written in JavaScript. Moving code and data ...

Keywords: compilers, information flow, security policies

Also published in:

52 Puppetnets: Misusing Web Browsers as a Distributed Attack Infrastru

Spiros Antonatos, Periklis Akritidis, Vinh The Lam, Kostas G. Anagnostakis

December 2008 **Transactions on Information and System Security (TI**
Publisher: ACM

Full text available: Pdf (1.55 MB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 77,   Downloads (12 Months): 284,   Citation

Most of the recent work on Web security focuses on preventing attacks t
host machine and user. In this paper we attempt to quantify the threat c
misused for attacking third parties. Specifically, ...

Keywords: Web security, distributed attacks, malicious software

53 Public key superstructure "it's PKI Jim, but not as we know it!"

Stephen Wilson

March 2008 **IDtrust '08:** Proceedings of the 7th symposium on Identity and
Publisher: ACM

Full text available: Pdf (684.07 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 52,   Downloads (12 Months): 253,   Citation

While PKI has had its difficulties (like most new technologies) the unique
authentication in paperless transactions is now widely acknowledged. The
all-purpose identity system has given way to a ...

Keywords: PKI, authentication, digital certificates, public key infrastruct

54 Password sharing: implications for security design based on social pi

Supriya Singh, Anuja Cabraal, Catherine Demosthenous, Gunela Astbrink, I

April 2007   **CHI '07:** Proceedings of the SIGCHI conference on Human fact
Publisher: ACM

Full text available: Pdf (118.90 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 27,   Downloads (12 Months): 208,   Citation

Current systems for banking authentication require that customers not re
to members of the family. A study of banking and security in Australia sh
sharing passwords does not conform to this requirement. ...

Keywords: Australia, UCD, banking, security, sharing passwords, social

55 Server-centric Web frameworks: An overview

Iwan Vosloo, Derrick G. Kourie

April 2008   **Computing Surveys (CSUR)** , Volume 40 Issue 2
Publisher: ACM

Full text available: Pdf (254.93 KB)   Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 122,   Downloads (12 Months): 2178,   Cita

Most contemporary Web frameworks may be classified as server-centric.
frameworks is presented. It is based on information gleaned from survey
frameworks, as well as from popular related specifications. ...

Keywords: Architecture, specification techniques, user interfaces, web f

56 How DRM-based content delivery systems disrupt expectations of "p
Deirdre K. Mulligan, John Han, Aaron J. Burstein
October 2003 **DRM '03:** Proceedings of the 3rd ACM workshop on Digital rig
Publisher: ACM

Full text available: Pdf (416.68 KB)   Additional Information: full citation, abstract, r
                                                                          review

Bibliometrics: Downloads (6 Weeks): 53,   Downloads (12 Months): 328,   Citatior

We set out to examine whether current, DRM-based online offerings of m
consumers' current expectations regarding the personal use of copyright
behavior of six music, and two film online distribution ...

Keywords: access control, content distribution, copyright, digital rights
personal use, privacy

57 SEED: A Suite of Instructional Laboratories for Computer Security Ec
Wenliang Du, Ronghua Wang
March 2008 **Journal on Educational Resources in Computing (JERIC)**
Publisher: ACM

Full text available: Pdf (359.96 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 24,   Downloads (12 Months): 342,   Citatior

The security and assurance of our computing infrastructure has become
this priority, higher education has gradually incorporated the principles o
security into the mainstream undergraduate and ...

Keywords: education, instructional laboratories, security

58 Puppetnets: misusing web browsers as a distributed attack infrastruc
V. T. Lam, S. Antonatos, P. Akritidis, K. G. Anagnostakis
October 2006 **CCS '06:** Proceedings of the 13th ACM conference on Comput
                          security
Publisher: ACM

Full text available: Pdf (871.35 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 309,   Citatior

Most of the recent work on Web security focuses on preventing attacks t
host machine and user. In this paper we attempt to quantify the threat c
misused for attacking third parties. ...

Keywords: distributed attacks, malicious software, web security

59 Concealing complex policies with hidden credentials

Robert W. Bradshaw, Jason E. Holt, Kent E. Seamons

October 2004 **CCS '04:** Proceedings of the 11th ACM conference on Comput
security

Publisher: ACM

Full text available: Pdf (219.13 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 92,   Citation

Hidden credentials are useful in protecting sensitive resource requests, r
credentials. We propose a significant performance improvement when im
using Boneh/Franklin Identity Based Encryption. We also ...

Keywords: authentication, credentials, identity based encryption, privac
negotiation

60 Receipt management- transaction history based trust establishment

Abhilasha Bhargav-Spantzel, Jungha Woo, Elisa Bertino

November 2007 **DIM '07:** Proceedings of the 2007 ACM workshop on Digita

Publisher: ACM

Full text available: Pdf (547.73 KB)   Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 141,   Citatio

In a history-based trust-management system, users and service provide
transactions to make trust-based decisions concerningcurrent transactio
systems is represented by the reputation systems. However, ...

Keywords: authentication, identity, privacy, security

Result page: << previous 1